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PTO/SB/08A (10-01)  
Approved for use through 10/31/2002. OMB 0651-0031  
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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Substitute for form 1449A/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(use as many sheets as necessary)</i>			<b>Complete if Known</b>		
			Application Number		
			Filing Date		
			First Named Inventor		
			Art Unit		
			Examiner Name		
Sheet	1	of	7	Attorney Docket Number	
				YU190US	

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. 1	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code <sup>2</sup> (if known)			
		US-1,941,001 *	01.1929	Hansell	
		US-3,596,275 *	07.27.1971	Sweet	
		US-3,373,437 *	03.12.1968	Sweet et al	
		US-3,946,398 *	03.23.1976	Kyser et al	
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		US-4,584,590 *	04.22.1986	Fischbeck et al	
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		US-4,737,802 *	04.12.1988	Mielke	
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		US-4,864,824 *	09.12.1989	Gabriel et al	
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Examiner Initials*	Cite No. 1	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> (if known)				
		GB 2 007 162 *	05.16.1979	Canon K K		
		EP 0 713 774 *	05.29.1996	Sharp Kabushiki Kaisha		
		DE-195-16-997 *	11.16.1995	Sharp K.K		
		DE-196-23-620 *	12.19.1996	Sharp K.K		
		JP 2-108544 (Abstract) *	04.20.1990	Seiko Epson Corp.		
		JP 2-92643 (Abstract) *	04.03.1990	Seiko Epson Corp.		
		JP 4-353458 (Abstract) *	12.08.1992	Brother Ind Ltd		
		JP 6-91865 (Abstract) *	04.05.1994	Seikosha Co Ltd		
		JP 6-91866 (Abstract) *	04.05.1994	Seikosha Co Ltd		
		JP 2-265752 (Abstract) *	10.30.1990	Matsushita Electronic Ind Co Ltd		
		EP 0 634 273 *	01.18.1995	Sharp Kabushiki Kaisha		

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				Filing Date	
				First Named Inventor	Kia Silverbrook
				Art Unit	
				Examiner Name	
Sheet	2	of	7	Attorney Docket Number	YU190US

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		JP 58 112747 (Abstract) *	07.05.1983	Fujitsu KK		
		DE 43 28 433 *	03.02.1995	Heidelberger-Druckmaschinen AG		
		JP.61.025849 (Abstract) *	02.04.1986	Canon, Inc.		
		JP 01 128839 (Abstract) *	05.22.1989	Ricoh Co Ltd		
		JP 04 126255 (Abstract) *	04.27.1992	Seiko Epson Corp		
		GB 2 262 152 *	06.09.1993	Willert Int Ltd		
		DE-195-16 997 *	11.16.1995	Sharp K.K		
		JP.05 318724 (Abstract) *	12.03.1993	Seikosha Co Ltd		
		JP.02.162049 (Abstract) *	06.21.1990	Seiko Epson Corp		
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		JP 04 368851 (Abstract) *	12.21.1992	Seiko Epson Corp		

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<b>Sheet</b>	3	<b>of</b>	7	<b>Attorney Docket Number</b>	YU190US

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		JP 03 *112662 (Abstract) *	05.14.1991	Seiko Epson Corp		
		JP 03 65348 (Abstract) *	03.20.1991	Matsushita Electric Ind Co		
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		EP.0.478.956 *	04.08.1992	KernforschungsGmbH		
		DE 1 648 322 *	03.24.1971	VDO Tachometerwerke GmbH		
		GB 1 428 239 *	03.17.1976	Cibie Protecteurs		

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		DE 39 34 280 *	04.26.1990	CAE di Cipelletti Alberto		
		DE 29 05 063 *	08.14.1980	Olympia Werke AG		
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		JP 58 116165 (Abstract) *	07.11.1983	Canon K.K		
		EP 0 627 314 *	12.07.1994	Olivetti Canon Ind SPA		
		JP 61 268453 (Abstract) *	11.27.1986	Olympus Optical Co Ltd		
		JP 04 118241 (Abstract) *	04.20.1992	Seiko Epson Corp		
		EP 0 506 232 *	09.30.1992	Videjet Systems Int, Inc		
		JP 07 314665 (Abstract) *	12.05.1995	Canon Inc		

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		Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> (if known)				
		JP 03 180350 *	08.06.1991	Seiko Epson Corp		
		WO 97 12689 *	04.10.1997	The Board of Trustees of the Leland Stanford University		
		JP 02 050841 (Abstract) *	02.20.1990	Seiko Epson Corp		
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		JP 04 141429 (Abstract) *	05.14.1992	Seiko Epson Corp		
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		EP 0 092 229 *	10.26.1983	Siemens AG		

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Substitute for form 1449A/PTO

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Sheet	6	of	7
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**Complete if Known**

Application Number

Filing Date

First Named Inventor	Kia Silverbrook
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OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS			
Examiner Initials <sup>1</sup>	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T <sup>2</sup>
		NOWOROLSKI, J. MARK et al, "Process for in-plane and out-of-plane single-crystal-silicon thermal microactuators". Sensors and Actuators, A, CH, Elsevier-Sequoia S.A., Lausanne, Vol-55, no. 1, 15 July 1996, pp 65-69, XP004077979 ISSN: 0924-4247. *	
		ATAKA, MANABU et al, "Fabrication and Operation of Polymide Bimorph Actuators for Ciliary Motion System". Journal of Microelectromechanical Systems, US, IEEE Inc. New York, Vol. 2, no. 4, 1 December 1993, pp 146-150, XP000443412, ISSN: 1057-7157. *	
		YAMAGATA, YUTAKA et al, "A Micro Mobile Mechanism Using Thermal Expansion and its Theoretical Analysis". Proceedeings of the workshop on micro electro mechanical systems (MEMS), US, New York, IEEE, Vol. Workshop 7, 25 January 1994, pp 142-147, XP000528408, ISBN: 0-7803-1834-X. *	

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